NASA GSFC Pressure

Safety Committee Minutes

Goddard Pressure Safety Charter Meeting		
9.27.2011	10:00 am – 11:00 am	Bld. 7, Conf. Rm. 144

Meeting called by	Brian Montgomery, GSFC & WFF PV/S Safety Committee Chairman
Type of meeting	PV/S Safety Implementation Discussion
Facilitator	B. Montgomery
Note taker	J.Lugmayer
Members Present	Brian Montgomery, Patricia Friedberg, John Lugmayer, Phil Matthews, Thom Schafer, Yan Lui, Warren Connley, Tim Czubik, Paul Gibbons, Donald Meredith, Joe Santos, Prasad(A.V. Hanagud), John Wolfgang
Members Absent	Raymond Krebs, Curtis Odell, Robert Jannone, Charles Amrhein, Rich Clough, William Niemeyer, Frank Colman, Fred Richards, Paul Thompson, Charlie Brooks, Nick Tasheuras, Luis Muniz, Bonita Maxfield, Gordon Marsh, Michael T. Wilks, Larry Olsen

Discussion of Last Meeting Points

Discussion	The chairman opens with the following:

** PVS Program – Primary issue, the three year plan to certify all existing PVS on center, to include K-Bottle regulator systems, Steam Systems and possibly Dewar systems. This position was established after the internal audit that was directed by Rob Strain.

** The topic is brought up about using third party inspection groups to perform work previously conducted by QinetiQ-NA Recert Group. QinetiQ-NA is establishing a new group which can provide assistance in qualifying relief valves, gauges, system design and construction. This is not part of the Recert function and contact with this group is made through QinetiQ-NA and not Recert.

** High pressure as defined by code is pressure over 150 psig. Standard K bottle operates at 2300 psig. This requires the User to be High Pressure Certified.

Conclusions	All users of High Pressure systems will require certification / training. System for this to be implemented within the next year, possibly through the Saturn System

Current PV/S Status

Discussion	The chairman brings up the following event:

Chairman informs committee that per the last PVS meeting that all users of high pressure systems will require High Pressure Training. Tentatively the chairman proposes a 2 day class to cover a variety of systems to include items such as K-bottles, high pressure flex hoses, LOX systems etc. The chairman also proposes that off site training is acceptable such as programs from other centers.

This would entail supervisor interaction with the certification process where their responsibility would be to compile a test base with 40 to 50 questions of which the user would be given 10 questions which are specific to the end use of the high pressure system.

** Proposed is a 2 day / 8 hour training class – using the Marshal Program for the time being. In addition, there is a requirement under NPR 8715.3, “NASA General Safety Program Requirements” that the High Pressure (H.P.) PVS user have a physical every 2 years and re-certify every 4 years. Recert would then issue certification cards for the H.P. PVS user.

Point of contact (POC) for all located PVS is Phil Matthews at 301-286-9116

Conclusions	All members should determine who in their control is a PVS H.P. system user.

Action Items	Person Responsible	Deadline
Continued assistance in locating PVS and inform the Recert POC	All Members	None

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Member Questions

Questions	From Members

Question
Pat Friedberg – What is the chain of command when a system is to be designed and fabricated prior to Certification?

Answer – The design and fabrication of a system is the responsibility of the owner. The owner can use whatever resources they have to properly design a system. They can use onsite or off site contractors as well as using competent personnel within their respective group. This design is then sent to RECERT with the appropriate information and is reviewed for compliance to the NASA Standard. If the system is accepted, it can then be certified, if the system is not accepted, the owner will be informed on why the system did not meet the PVS requirement and RECERT may at that point offer assistance in correcting the issue or may require the owner to provide additional information to bring the system into compliance.

Question
Joe Santos – How do we address systems that are not inspectable due to walls, floors covering the access?

Answer – There is a provision within the code which allows the owner to apply for a waiver to some or all of a system submitted for certification. Contact the PVS POC for the appropriate documentation.

Final Point	All members are requested to give reasonable input to comply with NPR 8715.3C chapter 7. Currently, PVS training can be found through Ames and Marshal. Additionally, a log of H.P. PVS operation will be required to track the use and user of the H.P. PVS system.